

## PALINSPASTIC AND GEODYNAMIC RECONSTRUCTIONS OF CENTRAL EURASIA

Busch W.1, Morozov A.1, Smirnov A.2, Bukharin A.3, Song Zhiqi<sup>4</sup> and al. 1Ministry of Natural Resources, Moscow, Russia; 2YUGGEO, Almaty, Kazakstan; 3Institute of Natural Resources, Tashkent, Usbekistan; 4Institute of Geology and Mineral Resources of Xinjiang, China

1. 24 absolute palinspastic reconstructions in scale 1:10 000 000 are presented for the space among Europe, Siberia and Tarym from beginning of Paleozoic up to the present. The position of main continental blocks were established according to global reconstructions and corrected according to paleomagnetic data and geodynamical positions of geological complexes. 2. The evolution of Paleosialic Ocean is demonstrated on the maps. The collision of microcontinental fragments and island arcs formed Kazakhstanian microcontinent in the central part of this Ocean in the end of Ordovician. Microcontinent was characterised by active and transform margins and surrounded by residual oceanic basins. He moved from South to North with clockwise rotation. 3. The final closing of Paleosialic Ocean was in the end of Paleozoic by clockwise rotation of Siberia and north-eastward moving of Europe. The recent composition of main structural elements of the region was formed by considerable lateral shifts along Ural, Ob-Sayssan systems and in West Siberia during Permian and Triassic time.